



Reading a calculus textbook is different from reading a newspaper or a novel. Do not be discouraged you have to read a passage more than once in order to understand it. You should have pencil, paper, calculator on hand to sketch a diagram or make a calculation.

Some students start by trying their homework problems and read the text only if they get stuck on an exercise. I suggest that a far better plan is to read and understand a section of the text before attempting the exercises. In particular, you should look at the definitions to see the exact meanings of the terms. Learn to write the solutions of the exercises in a connected, step-by-step fashion with explanatory sentences – not just a string of disconnected equations or formulas.

The following rules apply to your homework:

- **Staple each section separately. The section number must be clearly visible.**
- **Leave at least one inch margin on the left side of the paper,** and at least a half inch margin on the right side, top and bottom of each page. **Do not start an exercise at the bottom of a page!**
- **Homework must be done in pencil only.**
- **Homework that is illegible or sloppy will not be graded.**
- Problems should be written out in consecutive order. They need to be easy to locate. **Each exercise number must be clearly visible.**
- **Space your work out** so it is easy to read. Leave at least one blank line between two exercises.
- Tatty edges need to be trimmed.
- **Either one or two distinct (clearly delimited) columns per page .**
- **Each exercise should start with the direction and the original expression or equation.**
- **Each word problem must start with the given, what needs to be found, and defining the variables.**
- Proofs must be rigorous and clearly written in appropriate mathematical format. No proof, no credit given.
- **All graphs must be done in pencil, with axes and points clearly labeled.**
- You are encouraged to discuss assignments with your classmates; however, you are required to write up your work independently. Copied homework will not be tolerated and identical, or nearly identical, assignments will share a single score.

	<p>Attach Homework Checklist COVER SHEET (one per homework collected in class) <i>All recommended sections are optional (bonus points)</i> Check answers to all odd exercises in the book</p>
Chapter 2	<p>Section 2.1 – Examples 1, 2, 3; Exercises 1, 5 Handout 2.1 – Exercises 3, 4, 6/page 5 Section 2.2 – Examples 3, 4, 7; Exercises 1, 5, 7, 11, 13, 31 – 43 odd, 47 Section 2.3 – Examples 1, 2, 3, 5, 6, 9 10; Exercises 2, 9, 11 – 31 odd, 35 – 53 odd, 61, 62 Handouts 2.2, 2.3 – All exercises (if any) not done in class Section 2.4 – will be posted later Section 2.5 – Examples 5, 7, 9, 10; Exercises 3, 11, 13, 17, 19, 21, 39, 40, 41 – 55 odd, 65, 71 Handout 2.5 - All exercises (if any) not done in class Section 2.6 – Examples 4, 5, 6, 7, 8, 10, 11, 12; Exercises 3, 15 – 41 odd, 45, 47, 51, 61, 65, 67, 69 Handout 2.6 - All exercises (if any) not done in class Section 2.7 – Examples 1 – 7; Exercises 1, 3, 4, 9 – 21 odd, 27, 29, 31, 33, 35, 43, 51, 53, 55, 56, 59 Section 2.8 – Examples 3, 4, 6, 7; Exercises 3, 21 – 31 odd, 32, 39, 40, 41, 43, 57 – 63, 65 Handouts 2.7 and 2.8 – All exercises (if any) not done in class <i>Recommended</i> – Chapter 2 Review pages 167, 168 : Exercises 1, 3 – 20, 23, 24, 29, 31, 33, 35 – 39, 41</p>

<p>Chapter 3</p>	<p>Section 3.1 – Examples 1 – 9; Exercises 1 – 41 odd, 45 – 53 odd, 55, 57, 63, 65, 66, 67, 71, 72, 79, 81 <i>Recommended</i> – Section 3.1 : Exercises 59, 60, 62, 69, 70, 82, 85, 86 Section 3.2 – Examples 1 – 5; Exercises 3 – 33 odd, 45, 51, 53, 55, 59, 61 Section 3.3 – Examples 1 – 5; Exercises 1 – 25 odd, 29 – 37 odd, 39 – 53 odd, 54 Section 3.4 – Examples 2 – 9; Exercises 1 – 53 odd, 59, 67, 75 – 81 odd, 84, 88</p> <p>Section 3.5 – Examples 1 – 5; Exercises 5 – 19 odd, 25, 27, 29, 35, 37, 49 – 59 odd, 77, 79 <i>Recommended</i> – Section 3.5 – Exercises 34 – 40 even, 46, 50 – 60 even, 80 Section 3.6 – Examples 1 – 8; Exercises 3 – 33 odd, 37 – 53 odd Section 3.7 – Exercises 1, 3, 5, 6, 7, 10, 13, 15, 17, 19, 20, 23, 31, 35, 39 Section 3.8 – Examples 1 – 4; Exercises 3, 9, 17, 21 Section 3.9 – Examples 1 – 5; Exercises 1, 3, 6, 9, 11, 15, 17, 23, 29, 33, 39 Section 3.10 – Example 3; Exercises 1 – 4, 11, 13, 15, 17, 25, 27, 32 <i>Recommended</i> - Section 3.11 – Examples 2 – 5; Exercises 1, 3, 6, 31 – 45 odd, 55, 57 <i>Recommended</i> – Review page 267: Exercises 1 – 49 every third (1, 4, 7, 10, etc), 53, 56, 57, 58, 61, 65, 66, 83, 103, 104, 106</p>
<p>Chapter 4</p>	<p>Section 4.1 – Exercises 3, 5, 15 – 25 odd, 26, 29 – 43 odd, 47, 51, 55, 57, 59, 61 Section 4.2 – Examples 1, 2, 4, 5, 6; Exercises 3, 5, 7, 11, 13, 21, 29 Handout 4.1 – 4.2 – All exercises (if any) not done in class Section 4.4 – Examples 5 – 10; Exercises 11 – 67 odd, 73, 74, 81, 83 Section 4.3 – Examples 6, 7, 8; Exercises 19, 20, 21 For all graphs, organize the information in a table, as we did in class: 37, 43, 47, 49, 51, 53, 55, 67, 71, 73 Section 4.5 – For all graphs, organize the information in a table, as we did in class: Examples 1 – 6; Exercises 1, 9, 13, 17, 21, 25, 29, 33, 37, 43, 45, 47, 51, 55, 61, 63, 65, 67 Section 4.7 – Examples 1 – 6; Exercises 2, 3, 5, 7, 9, 15, 21, 23, 25, 37, 41, 50, 51, 61, 65, 72, 77 <i>Recommended</i> – Section 4.8 – Examples 1, 2, 3; Exercises 7, 15, 17 Section 4.9 – Examples 1 – 7; Exercises 1 – 49 odd, 59, 61,</p>
<p>7.1</p>	<p>UPDATED Section 7.1 – Example 6; Exercises 3 – 8, 10, 11, 14 – 19, 38</p>
<p>Chapter 5</p>	<p>Section 5.1 – Example 3; Exercises 3, 4, 5 Section 5.2 – Examples 3, 5; Exercises 1 – 4, 17 – 20, 21, 23, 33, 34, 35 – 42, 47, 50, 51, 55 – 57, 59 Section 5.3 – Examples 1, 9; Exercises 3, 19, 20, 23 – 26, 29, 31, 32, 33, 35, 37, 39, 41, 42, 43, 45 – 48 53, 54, 55, 57 Exercises 7 – 17 odd, 59, 64, 65 Section 5.4 – Examples 1 – 7; Exercises 3, 5, 11, 12, 15 – 18, 21, 23, 27 – 37 odd, 39 – 45 odd, 49, 51, 52, 53, 59, 61 Section 5.5 – Examples 1, 3, 4, 5, 10, 11; Exercises 7 – 17 odd, 21, 23, 25, 29 – 35 odd, 39 – 47 odd, 53 – 73 odd, 79</p>
<p>7.1</p>	<p>Section 7.1 – Example 5; Exercises 9, 13, 20 – 36, 37, 39 – 42</p>